

Size: 55,270 acres
Mission: Performed production acceptance testing of ammunition, weapons, and their components
HRS Score: NA
IAG Status: None
Contaminants: Solvents, petroleum products, VOCs, PCBs, heavy metals, depleted uranium, and UXO
Media Affected: Groundwater and soil
Funding to Date: \$18.6 million
Estimated Cost to Completion (Completion Year): \$6.6 million (FY2021)
Final Remedy in Place or Response Complete Date for BRAC Sites: FY2002



Madison, Indiana

Restoration Background

In December 1988, the BRAC Commission recommended closure of the Jefferson Proving Ground in Madison, Indiana, and relocation of the installation's mission to Yuma Proving Ground in Arizona. The installation was closed on September 30, 1995.

Sites identified during environmental studies included landfill and disposal areas, hazardous waste storage areas, fire training areas, underground storage tanks (USTs), and buildings with asbestos-containing materials. Contaminants at the installation include depleted uranium, heavy metals, unexploded ordnance (UXO), solvents, polychlorinated biphenyls (PCBs), volatile organic compounds (VOCs), and petroleum hydrocarbons. Interim Actions include installation of a landfill cap, removal of USTs, and excavation of contaminated soil.

In FY94, the installation submitted the draft Phase I Remedial Investigation (RI) report for sites south of the firing line. The regulatory agencies requested additional studies to further characterize contaminants. Phase II RI data collection began in FY96 and continued into FY97.

In FY95, the installation removed 18 USTs, treated contaminated soil in Bioremediation Cell No. 1, and constructed a landfill cap at Gate No. 19. The installation also surveyed and decontaminated depleted uranium support facilities.

The Restoration Advisory Board (RAB) expanded its membership, adding representatives of the NRC, the U.S. Fish and Wildlife Service, the Indiana Department of Health, and public interest groups. A Local Redevelopment Authority replaced the existing Redevelopment Board.

In FY96, a finding of suitability to lease (FOSL) report and a finding of suitability to transfer (FOST) report were prepared for two portions of installation property. Two more FOST reports were completed in FY97.

In FY96, the installation submitted Interim Remedial Action (IRA) work plans for 10 sites to the regulatory agencies and began cleanup activities. The installation also initiated Phase II field sampling, the UXO removal operations, and long-term monitoring of the landfill at Gate No. 19. The Army leased approximately 3,400 acres of the containment area in "furtherance of conveyance," which will allow transfer within 7 to 10 years. In addition, 1.2 acres was transferred under a no-cost public conveyance.

The Army completed FOST and FOSL reports for parts of the installation, in conjunction with the Record of Decision. The installation initiated a facilitated partnership with regulators while enhancing community outreach with an updated community relations plan. Work continued on the IRA sites, and Phase II RI data were collected.

FY98 Restoration Progress

The installation completed the Phase II RI report and submitted it for regulatory review. The installation also began completing technical memorandums to eliminate sites from the RI and completed field studies for an Ecological Risk Assessment. The installation did not initiate the work plan for intrinsic bioremediation (natural attenuation) at solvent sites but will make it a part of the Feasibility Study (FS) to be completed in FY99. Relative Risk Site Evaluations are under way for the remaining 10 sites. Lengthy regulatory reviews delayed the planned concurrence on the closure of the burning ground.

The Army partnered with the NRC, the U.S. Fish and Wildlife Service, and the Indiana Department of Natural Resources during the fiscal year. The installation provided RI Phase II data to the RAB for review.

Plan of Action

- In FY99, obtain regulatory concurrence on Phase II RI data
- In FY99, sign decision document(s) to eliminate site(s) from the RI
- Complete FS for solvent sites in FY99
- Obtain regulatory concurrence for closure of open burning unit in FY99
- Continue to prepare technical memorandums through FY00
- Complete all BRAC activities by FY20

SITES ACHIEVING RIP OR RC PER FISCAL YEAR

